Q-296

SVE BULLETIN

SPECIAL VEHICLE ENGINEERING – BODY BUILDERS ADVISORY SERVICE

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2020 MY and beyond Transit Rear View Camera – Chassis Cab or Cutaway

Models Affected: All 2020MY and beyond Transit Chassis Cab and Cutaway vehicles

Issue: Effective May 1, 2018, all vehicles completed in 2 or more stages (produced by Ford as incomplete vehicles) are required to comply with new FMVSS 111 requirements for rear visibility (including rearview camera). The new FMVSS 111 requirements affect vehicles 10,000 lbs GVWR or less. This bulletin is intended to assist upfitters who are completing Transit Chassis Cabs or Cutaway vehicles comply with FMVSS 111 rear view camera requirements using the Ford reverse camera kit.
For previous model years please refer to SVE bulletin Q-284R3

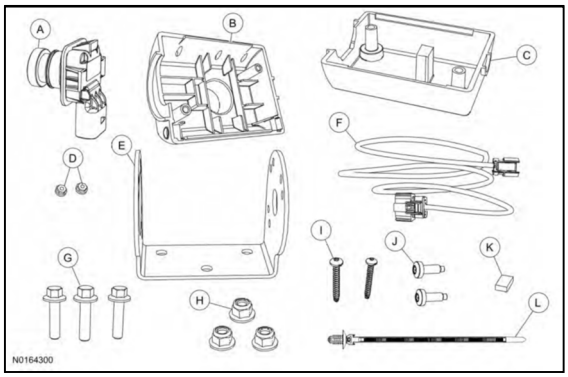
Rear View Camera Kit: ***If the backup camera kit (61A) is not ordered with the vehicle, it cannot be retrofitted later.***

The new camera kit for 2020MY Transit offers a substantial improvement in camera mounting zone. The previous level camera could not be mounted any lower than 38 inches off the ground (reference Q-284R3). The 2020MY camera can be mounted as low as 25 inches off the ground (see Figure 3).

A rear view camera and prep kit for incomplete vehicles is available as an orderable option (order code **61A** - see figures 1 and 2) with all Cutaway and Chassis Cab incomplete vehicles. Effective 2020MY, the 4 inch Multi-Function Display (MFD) is the standard display with option code 61A. The 8 inch display is optional. The rearview mirror display will only be available on vehicles ordered with radio prep (Option Code 58T). The optional Rear view camera prep kit is compatible with the following audio options:

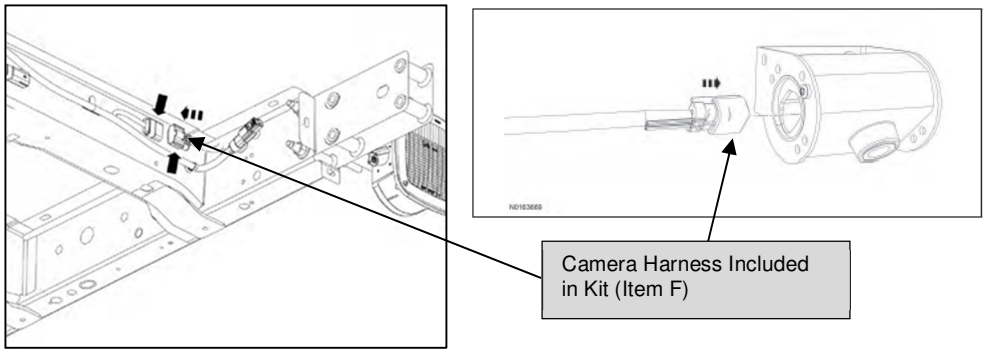
	Rear View Image Display			
Vehicle	Rearview Mirror (Option Code 61A + Radio Prep Audio Order Codes 58T)	4 inch MFD (Option Code 61A+Audio Order Codes 58U)	4 inch MFD (Option Code 61A+Audio Order Codes 58V, 58W)	8 inch MFD (Option Code 61A + Audio Order Code 58X, 58Y, 584)
Cutaway	O	S	O	O
Chassis Cab	O	S	O	O
S-Standard, O-Optional				

Figure 1: Camera Kit Contents



Item	Quantity	Description
A	1	Rear View Camera
B	1	Front Camera Case Half
C	1	Rear Camera Case Half
D	2	Screw Retaining nuts
E	1	Mounting Bracket
F	1	Wire Harness
G	3	Bolts
H	3	Nuts
I	2	Screws (Longer)
J	2	Screws (Shorter)
K	1	Foam Pad
L	1	Push Pin Tie Strap

Figure 2: Camera harness Location for incomplete vehicles



Ford Camera Kit Compliance Capability:

Ford has tested the rear view camera kit and all the camera/display pairings offered are capable of meeting the backup camera portion of FMVSS 111 when mounted in the zone defined below.

Compliance to FMVSS 111 will be the responsibility of the upfitter who alters the vehicle. This information is provided for directional purposes only, based on testing done by Ford.

If equipped with 4 inch or 8 inch display the camera included in kit is capable of complying with FMVSS 111 rearview camera requirements when mounted in the areas defined in Figure 3. If equipped with a rearview mirror display, the camera is capable of complying when mounted in areas defined in Figure 4.

Figure 3: Coverage with 4 inch display (Order Code 58U, 58V and 58W) and 8 inch display (Order Code 58X, 58Y, 584)

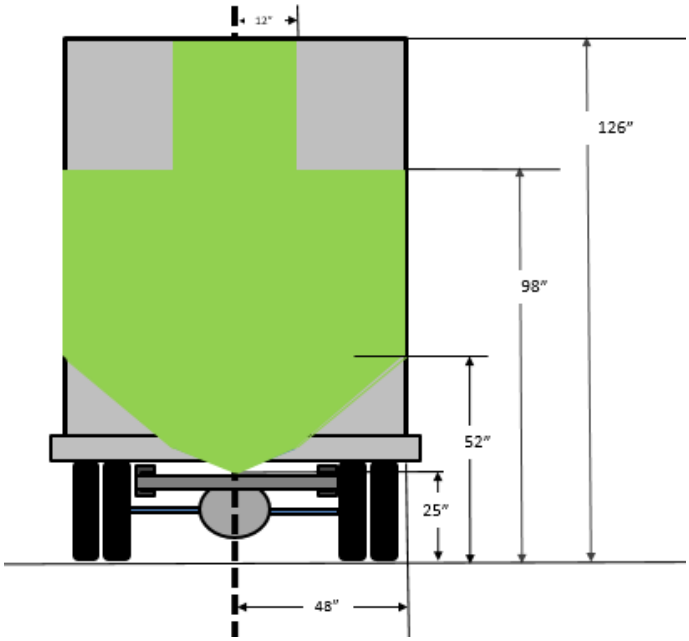
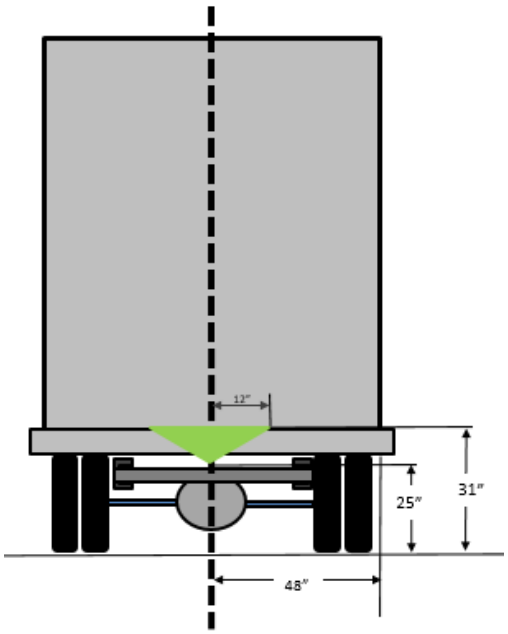


Figure 4: Coverage with Rearview Mirror display (Order Code 58T). ***Note that the mounting zone defined in this figure applies to a limited number of vehicles, which are ordered with the Audio Prep Package 58T.***



Final stage manufacturers who complete vehicles 10,000 lbs. GVWR or less produced by Ford as incomplete (e.g., pickup box delete, chassis-cabs, cutaways) on or after 5/1/2018 must meet these new FMVSS 111 requirements. Ford will issue additional bulletins containing information to assist final stage manufacturers achieve compliance with the Ford reverse camera kit on incompletes.

Note that the NTEA has provided detailed information and educational resources to help members better understand the new FMVSS 111/reverse camera conformity (including a manual and test kit). Ref. http://www.ntea.com/fmvss111rearvisibility